

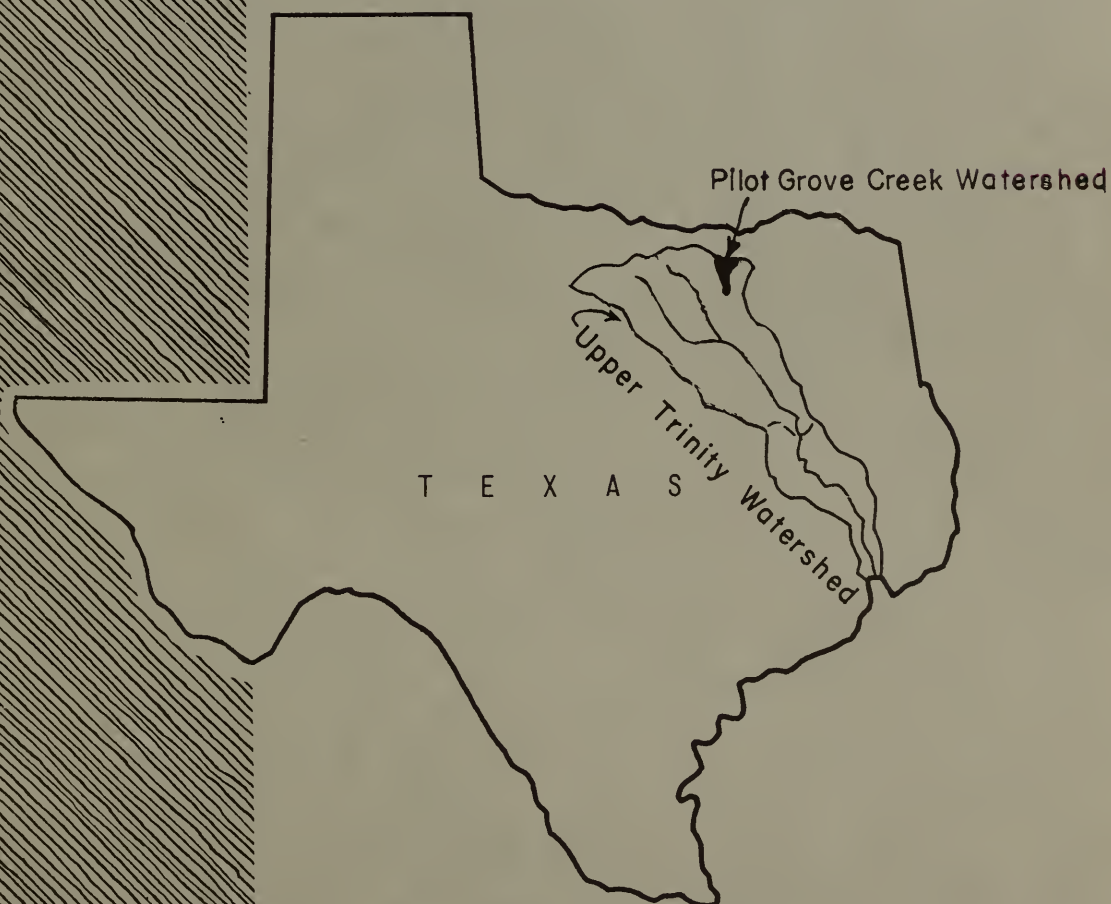
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SUPPLEMENTAL
WORK PLAN I

PILOT GROVE CREEK
WATERSHED

OF THE TRINITY RIVER WATERSHED
COLLIN, FANNIN, GRAYSON, AND
HUNT COUNTIES, TEXAS



Prepared By
SOIL CONSERVATION SERVICE
U. S. DEPARTMENT OF AGRICULTURE
Temple, Texas
December 1971

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SUPPLEMENTAL WATERSHED WORK PLAN AGREEMENT

Between the

Collin County Soil and Water Conservation District
Local Organization

Fannin County Soil and Water Conservation District
Local Organization

Upper Elm-Red Soil and Water Conservation District
Local Organization

Upper Sabine Soil and Water Conservation District
Local Organization

Collin County Commissioners Court
Local Organization

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Fannin County Commissioners Court
Local Organization

MAR - 9 1973

Hunt County Commissioners Court
Local Organization

CATALOGING - PREP.

State of Texas
(hereinafter referred to as the Sponsoring Local Organization)

and the

Soil Conservation Service
United States Department of Agriculture
(hereinafter referred to as the Service)

Whereas, the Watershed Work Plan Agreement for the Pilot Grove Creek Watershed, Trinity River Watershed, State of Texas, executed by the Sponsoring Local Organization named therein and the Service, became effective on the 28th day of April, 1960; and

Whereas, in order to carry out the Watershed Work Plan for said watershed, it has become necessary to modify said Watershed Work Plan Agreement; and

Whereas, it has become necessary to modify the Watershed Work Plan to comply with the provisions of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Public Law 91-646, 84th Stat. 1894); and

Whereas, it has been necessary to modify the Watershed Work Plan to reflect current policy and terminology relative to engineering and project administration costs; and

Whereas, a Supplemental Watershed Work Plan which modifies the Watershed Work Plan dated January 1959 for said watershed has been developed through the cooperative efforts of the Sponsoring Local Organization and the Service; which plan is annexed to and made a part of this agreement; and

Now, therefore, the Sponsoring Local Organization and the Service hereby agree upon the following modifications of the terms, conditions, and stipulations of said Watershed Work Plan Agreement:

1. A paragraph numbered 10 is added to read as follows:

The Sponsoring Local Organization will provide relocation advisory assistance services and make the relocation payments to displaced persons as required by the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Public Law 91-646, 84th Stat. 1894) effective as of January 2, 1971, and the Regulations issued by the Secretary of Agriculture pursuant thereto. Prior to July 1, 1972, the Sponsoring Local Organization will comply with the real property acquisition policies contained in said Act and Regulations to the extent that they are legally able to do so in accordance with their State law. After July 1, 1972, the real property acquisition policies contained in said Act shall be followed in all cases.

The Service will bear 100 percent of the first \$25,000 of relocation payment costs for any person, business, or farm operation displaced prior to July 1, 1972. Any such costs for a single dislocation in excess of \$25,000 and all costs for relocation payments for persons displaced after July 1, 1972, will be shared by the Sponsoring Local Organization and the Service as follows:

	<u>Sponsoring Local Organization</u> (percent)	<u>Service</u> (percent)	<u>Estimated Relocation Payment Costs</u> (dollars)
Relocation Payments	35.84	64.16	1,100

2. Paragraph numbered 3 is deleted.
3. A paragraph numbered 11 is added to read as follows:

The percentages of construction costs of structural measures to be paid by the Sponsoring Local Organization and the Service are as follows:

<u>Works of Improvement</u>	<u>Sponsoring Local Organization</u> (percent)	<u>Service</u> (percent)	<u>Estimated Construction Cost</u> (dollars)
All Structural Measures	-	100.00	3,639,110

4. A paragraph numbered 12 is added to read as follows:

The percentages of engineering costs to be borne by the Sponsoring Local Organization and the Service are as follows:

<u>Works of Improvement</u>	<u>Sponsoring Local Organization</u> (percent)	<u>Service</u> (percent)	<u>Estimated Engineering Cost</u> (dollars)
All Structural Measures	-	100.00	279,223

5. A paragraph numbered 13 is added to read as follows:

The Sponsoring Local Organization and the Service will each bear the costs of Project Administration which it incurs, estimated to be \$21,200 and \$663,346 respectively.

6. A paragraph numbered 14 is added to read as follows:

The program conducted will be in compliance with all requirements respecting nondiscrimination as contained in the Civil Rights Act of 1964 and the Regulations of the Secretary of Agriculture (7 C.F.R. 15.1-15.12) which provides that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any activity receiving Federal financial assistance.

7. The Sponsoring Local Organization and the Service further agree to all other terms, conditions, and stipulations of said Watershed Work Plan Agreement not modified herein.

Collin County Soil and Water Conservation District
Local Organization

By John D. Wells
 Title Chairman
 Address Rt 1 Phx Tex 75074
 Zip code
 Date 5/9/72

The signing of this agreement was authorized by a resolution of the governing body of the Collin County Soil and Water Conservation District
Local Organization
 adopted at a meeting held on May 9, 1972

B. B. Baile
 (Secretary, Local Organization)
 Address Bx 124 Leonard, Tex 75452
 Zip Code
 Date 5/9/72

Fannin County Soil and Water Conservation District
Local Organization

By Don E. Knowles
 Title Chairman
 Address 1205 14th St. 75446
 Zip Code
 Date July 5, 72

The signing of this agreement was authorized by a resolution of the governing body of the Fannin County Soil and Water Conservation District
Local Organization
 adopted at a meeting held on July 5, 1972

Jessie E. Slat
 (Secretary, Local Organization)
 Address Rt #3 Bonham 72418
 Zip Code
 Date July 5, 1972

Upper Elm-Red Soil and Water Conservation District
Local Organization

By J. H. Bayer

Title Chairman

Address Pt 2 - Maunster 76552
Zip code

Date 7-12-72

The signing of this agreement was authorized by a resolution of the governing body of the Upper Elm-Red Soil and Water Conservation District
Local Organization

adopted at a meeting held on July - 12 - 1972

Keith Remplin
(Secretary, Local Organization)

Address Box 116 Valley View 76272
Zip Code

Date 7-12-72

Upper Sabine Soil and Water Conservation District
Local Organization

By W. Cunningham

Title Chairman

Address R. F. Greenville Teele
Zip Code

Date 6-12-72

The signing of this agreement was authorized by a resolution of the governing body of the Upper Sabine Soil and Water Conservation District
Local Organization

adopted at a meeting held on 6-12-72

M. E. Doolley
(Secretary, Local Organization)

Address Levi Oak Inn 75453
Zip Code

Date 6-12-1972

Collin County Commissioners Court
Local Organization

By W. A. Probst

Title County Judge

Address McKinney, Tex. 75069

Zip Code

Date 5-15-72

The signing of this agreement was authorized by a resolution of the governing body of the Collin County Commissioners Court

Local Organization

adopted at a meeting held on 5-15-72

Jan. R. Welch
 (Secretary, Local Organization)

Address McKinney, Tex. 75069

Zip Code

Date 5-15-72

Fannin County Commissioners Court
Local Organization

By Chas. Moore

Title County Judge

Address Bonham, Texas - 75418

Zip Code

Date July 10, 1972

The signing of this agreement was authorized by a resolution of the governing body of the Fannin County Commissioners Court

Local Organization

adopted at a meeting held on 7-18-72

Tayden Fletcher
 (Secretary, Local Organization)

By Greene, Peeler, Deputy

Zip Code

Date July 10, 1972

Hunt County Commissioners Court

Local Organization

By

Title

Address

Zip Code

Date

The signing of this agreement was authorized by a resolution of the governing body of the Hunt County Commissioners Court

Local Organization

adopted at a meeting held on

Edna L. Beene

(Secretary, Local Organization)

Address

Zip Code

Date

Local Organization

By

Title

Address

Zip Code

Date

The signing of this agreement was authorized by a resolution of the governing body of the

Local Organization

adopted at a meeting held on

(Secretary, Local Organization)

Address

Zip Code

Date

Soil Conservation Service

United States Department of Agriculture

By

State Conservationist

Date

SUPPLEMENTAL WATERSHED WORK PLAN

PILOT GROVE CREEK WATERSHED
Of the Trinity River Watershed
Collin, Fannin, Grayson, and Hunt Counties, Texas

Plan Prepared and Works of Improvement
to be Installed Under the Authority
of the Flood Control Act of 1944
as Amended and Supplemented

Prepared By:

Collin County Soil and Water Conservation District

Fannin County Soil and Water Conservation District

Upper Elm-Red Soil and Water Conservation District

Upper Sabine Soil and Water Conservation District

Collin County Commissioners Court

Fannin County Commissioners Court

Hunt County Commissioners Court

With Assistance By:

U. S. Department of Agriculture
Soil Conservation Service

December 1971

SUPPLEMENTAL WATERSHED WORK PLAN

PILOT GROVE CREEK WATERSHED Of the Trinity River Watershed Collin, Fannin, Grayson, and Hunt Counties, Texas

December 1971

PURPOSE OF THE SUPPLEMENTAL WORK PLAN

It has become necessary to modify the watershed work plan for Pilot Grove Creek Watershed to incorporate provisions for implementing the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970. This modification will set forth the arrangements for cost-sharing of relocation payments and the provisions for providing relocation advisory assistance services, and will, in addition, reflect current policy and terminology relative to engineering and project administration costs.

The following are changes and modifications made in appropriate parts of the watershed work plan.

Works of Improvement to be Installed

Under present conditions the acquisition of land rights needed for the installation of Floodwater Retarding Structure No. 42 will result in the relocation of personal property from one barn and one dairy building.

No other displacement or relocation is apparent at this time. However, if other relocations become necessary, relocation payments will be cost-shared in accordance with percentages shown in the work plan agreement.

Explanation of Installation Costs

The total costs for apparent eligible relocation payments resulting from dislocations indicated under "Works of Improvement To Be Installed" are estimated to be \$1,100. After July 1, 1972, the share of these costs to be borne by Federal funds is 64.16 percent and the share to be borne by other funds is 35.84 percent, and are based upon the ratio of Federal funds and other funds to the total project costs less relocation payments. For those displacements prior to July 1, 1972, Federal funds will provide the first \$25,000 for each displacement.

Engineering services costs consist of, but are not limited to, detailed surveys, geologic investigations, laboratory analyses, reports, designs, and cartographic services.

Federal project administration costs consist of construction inspection, maintenance of records and accounts, contract administration, and assistance to the Fannin County Commissioners Court in providing relocation advisory assistance.

The local costs for project administration includes sponsors' costs relative to contract administration, overhead and organizational costs, whatever construction inspection they desire to make at their own expense, and all relocation advisory assistance services costs. The estimated cost of \$200 for providing relocation advisory assistance services will be borne by the Fannin County Commissioners Court.

Comparison of Costs and Benefits

The total average annual cost of structural measures (amortized total installation costs, plus operation and maintenance) is \$190,247. These measures are expected to produce average annual benefits, excluding secondary benefits, of \$289,328, resulting in a benefit to cost ratio of 1.5:1.0. The ratio of total average annual project benefits accruing to structural measures, \$322,595, to the average annual cost of structural measures \$190,247, is 1.7:1.0 (revised table 6).

Project Installation

The Fannin County Commissioners Court has assumed responsibility for providing those relocation advisory assistance services and relocation costs associated with Floodwater Retarding Structure No. 42. Fannin County will, through its own facilities, for the structure for which it has assumed responsibility, (1) provide personally, or by first class mail, written notice of displacement and appropriate application forms to each displaced person or business, (2) give displaced persons notice to vacate at least 90 days prior to the date they must move, (3) assist in filing applications, (4) review and approve applications for relocation assistance, (5) review and process grievances in connection with displacements, and (6) make relocation payments.

Fannin County, having responsibility for furnishing relocation advisory assistance services, will provide such measures, facilities, or services as may be necessary or appropriate in order to, (1) determine the need, if, any, of displaced persons for relocation assistance, (2) provide current and continuing information on the availability, prices, and rentals of comparable decent, safe, and sanitary sale and rental housing, and of comparable commercial properties and locations for displaced businesses and farm operations, (3) assure, that within a reasonable period of time prior to displacement, replacement dwellings will be available, (4) assist a displaced person displaced from his business or farm operation in obtaining and becoming established in a suitable replacement location, (5) supply information concerning housing programs, disaster loan programs, and other Federal or State programs offering assistance to displaced persons, (6) provide other advisory services to displaced persons in order to minimize hardships

to such persons in adjusting to relocation, (7) advise displaced persons that they should notify the displacing agency before they move, and (8) prior to initiation of acquisition, provide persons from whom it is planned to acquire land a brochure or pamphlet outlining the benefits to which they may be entitled.

Construction of any floodwater retarding structure causing a displacement will not be initiated until decent, safe, and sanitary replacement housing is available for all displaced families.

Financing Project Installation

The local share of costs for relocation payments and all project administration costs for relocation advisory assistance services will be borne by Fannin County for the structure for which it has assumed responsibility. Fannin County has adequate funds available from tax resources.

REVISED TABLE 1 - ESTIMATED PROJECT INSTALLATION COST
Pilot Grove Creek Watershed, Texas
(Trinity River Watershed)

Installation Cost Item	:	:	:	Estimated Cost (Dollars) ^{1/}		
				Federal	Other	Total
	Unit	Number		Funds	Funds	
<u>LAND TREATMENT</u>						
Soil Conservation Service						
Cropland	Acre	65,738		-	1,422,646	1,422,646
Pastureland	Acre	45,948		-	901,051	901,051
Technical Assistance (Accel.)				249,796	-	249,796
TOTAL LAND TREATMENT				249,796	2,323,697	2,573,493
<u>STRUCTURAL MEASURES</u>						
<u>Construction</u>						
Soil Conservation Service						
Floodwater Retarding Structures	No.	80		2,555,018	-	2,555,018
Stream Channel Improvement	Mile	39.43		1,084,092	-	1,084,092
Subtotal - Construction				3,639,110	-	3,639,110
<u>Engineering Services</u>						
Soil Conservation Service				279,223	-	279,223
Subtotal - Engineering				279,223	-	279,223
<u>Relocation Payments</u>						
Soil Conservation Service				706	394	1,100
Subtotal - Relocation Payments				706	394	1,100
<u>Project Administration</u>						
<u>Soil Conservation Service</u>						
Relocation Advisory Assistance Services				-	200	200
Construction Inspection				347,274	6,020	353,294
Other				316,072	14,980	331,052
Subtotal - Administration				663,346	21,200	684,546
<u>Other Costs</u>						
Land Rights				-	354,455	354,455
Subtotal - Other				-	354,455	354,455
TOTAL STRUCTURAL MEASURES				4,582,385	376,049	4,958,434
TOTAL PROJECT				4,832,181	2,699,746	7,531,927

^{1/} 1971 prices for structural measures remaining to be built, actual costs for measures already constructed.

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REVISED TABLE 2 - ESTIMATED STRUCTURAL COST DISTRIBUTION
Pilot Grove Creek Watershed, Texas
(Trinity River Watershed)

(Dollars) 1/

Item	Installation Cost - Flood Prevention Funds			Installation Cost-Other Funds			Total		
	Construction	Engineering	Relocation	Construction	Relocation	Land	Construction	Relocation	Land
			Payments 2/		Payments 2/	Payments 2/		Payments 2/	
Floodwater Retarding Structures	1,219,241	92,796	-	1,312,037	-	141,825	141,825	141,825	1,453,862
Constructed - No. (39)									
Structures to be Constructed									
1	43,666	3,493	-	47,159	-	1,810	1,810	48,969	
6	51,411	4,113	-	55,524	-	7,670	7,670	63,194	
12	72,355	5,065	-	77,420	-	4,560	4,560	81,980	
13	24,182	2,660	-	26,842	-	2,330	2,330	29,172	
14A	53,040	4,243	-	57,283	-	8,380	8,380	65,663	
15	30,721	3,072	-	33,793	-	2,170	2,170	35,963	
16A	27,330	3,010	-	30,340	-	5,000	5,000	35,340	
17	44,368	3,549	-	47,917	-	5,655	5,655	53,572	
18	23,510	2,586	-	26,096	-	1,920	1,920	28,016	
19	15,189	2,126	-	17,315	-	1,545	1,545	18,860	
19A	43,350	3,468	-	46,818	-	5,200	5,200	52,018	
20	14,739	2,063	-	16,802	-	1,335	1,335	18,137	
21A	44,160	3,533	-	47,693	-	6,950	6,950	54,643	
22	26,685	2,935	-	29,620	-	2,190	2,190	31,810	
23B	37,290	3,729	-	41,019	-	5,350	5,350	46,369	
24	14,207	1,989	-	16,196	-	530	530	16,726	
25	48,677	3,894	-	52,571	-	4,860	4,860	57,431	
26	24,283	2,671	-	26,954	-	4,120	4,120	31,074	
32	18,814	2,634	-	21,448	-	1,185	1,185	22,633	
34	26,827	2,951	-	29,778	-	3,765	3,765	33,543	
35	21,520	2,367	-	23,887	-	3,670	3,670	27,557	
36	16,114	2,256	-	18,370	-	1,740	1,740	20,110	
37	21,436	2,358	-	23,794	-	1,910	1,910	25,704	
42	36,372	3,637	706	40,715	394	6,430	6,430	47,539	
44A	20,885	2,297	-	23,182	-	3,225	3,225	26,407	
51	43,051	3,444	-	46,495	-	7,640	7,640	54,135	
52	45,905	3,672	-	49,577	-	6,020	6,020	55,597	
53	19,816	2,774	-	22,590	-	1,840	1,840	24,430	
54	41,380	3,310	-	44,690	-	4,800	4,800	49,490	

REVISED TABLE 2 - ESTIMATED STRUCTURAL COST DISTRIBUTION (Continued)
Pilot Grove Creek Watershed, Texas
(Trinity River Watershed)

(Dollars) 1/

Item	Installation Cost - Flood Prevention Funds			Installation Cost-Other Funds			Total		
	Construction	Engineering	Relocation	Relocation	Payments 2/	Payments 2/	Relocation	Payments 2/	Payments 2/
Structures to be Constructed (Cont'd)									
55	18,612	2,606	-	21,218	-	2,010	2,010	23,228	23,228
56	16,893	2,365	-	19,258	-	1,300	1,300	20,558	20,558
57	44,736	3,579	-	48,315	-	4,710	4,710	53,025	53,025
58	24,616	2,708	-	27,324	-	2,190	2,190	29,514	29,514
64	32,108	3,211	-	35,319	-	2,140	2,140	37,459	37,459
65	31,560	3,156	-	34,716	-	2,520	2,520	37,236	37,236
66	49,430	3,954	-	53,384	-	9,450	9,450	62,834	62,834
67	13,870	1,942	-	15,812	-	1,450	1,450	17,262	17,262
68	53,108	4,245	-	57,353	-	6,090	6,090	63,443	63,443
69	16,198	2,267	-	18,463	-	1,430	1,430	19,893	19,893
70	61,430	4,300	-	65,730	-	4,220	4,220	69,950	69,950
71	21,935	2,413	-	24,348	-	1,410	1,410	25,758	25,758
Subtotal	1,335,777	126,645	706	1,463,128	394	152,720	153,114	1,616,242	1,616,242
Stream Channel Improvement	1,084,092	59,782	-	1,143,874	-	59,910	59,910	1,203,784	1,203,784
Subtotal - Watershed	3,639,110	279,223	706	3,919,039	394	354,455	354,849	4,273,888	4,273,888
Project Administration	xxx	xxx	xxx	663,346	-	-	21,200	684,546	684,546
GRAND TOTAL	3,639,110	279,223	706	4,582,385	394	354,455	376,049	4,958,434	4,958,434

1/ 1971 Prices for structures remaining to be built; actual costs for measures already constructed.

2/ Relocation payments for displacements prior to July 1, 1972, will be shared as provided in PL-91-646 and as shown in the Supplemental Watershed Work Plan Agreement.

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REVISED TABLE 4 - ANNUAL COST
Pilot Grove Creek Watershed, Texas
(Trinity River Watershed)

(Dollars)

Evaluation Unit	: Amortization :		Operation :	
	: of :		and :	
	: Installation :		Maintenance :	
	; Cost <u>1/</u> :		Cost <u>2/</u> :	
				Total
80 Floodwater Retarding Structures and Approximately 39.43 miles of Stream Channel Improvement	150,697		15,413	166,110
Project Administration	24,137		-	24,137
GRAND TOTAL	174,834		15,413	190,247

1/ Price Base: Actual costs for structural measures constructed and
1971 prices for measures remaining to be constructed;
amortized for 50 years at 2.5 percent.

2/ Adjusted Normalized Prices

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TABLE 5 - ESTIMATED AVERAGE ANNUAL FLOOD DAMAGE REDUCTION BENEFITS
Pilot Grove Creek Watershed, Texas
(Trinity River Watershed)

(Dollars) 1/

Item	<u>: Estimated Average Annual Damage:</u>			Damage Reduction Benefits
	: Without	: With	:	
	: Project	: Project	:	
Floodwater				
Crop and Pasture	188,663	35,598		153,065
Other Agricultural	66,670	12,946		53,724
Nonagricultural (Road and Bridge)	63,167	10,781		52,386
Subtotal	318,500	59,325		259,175
Sediment				
Overbank Deposition	23,418	2,813		20,605
Lavon Reservoir	5,604	3,090		2,514
Subtotal	29,022	5,903		23,119
Erosion				
Flood Plain Scour	5,460	431		5,029
Indirect	35,298	6,566		28,732
TOTAL	388,280	72,225		316,055

1/ Price Base: Long term prices as projected by ARS, June 1956.

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REVISED TABLE 6 - COMPARISON OF BENEFITS AND COSTS FOR STRUCTURAL MEASURES
Pilot Grove Creek Watershed, Texas
(Trinity River Watershed)

(Dollars)

Evaluation Unit	AVERAGE ANNUAL BENEFITS 1/			Average Annual Cost	Benefit-Cost Ratio
	Damage Reduction	Secondary	Total		
80 Floodwater Retarding Structures and 39.43 Miles of Channel Improvement.	289,328	33,267	322,595	166,110	1.9:1.0
Project Administration	xxx	xxx	xxx	24,137	xxx
GRAND TOTAL	289,328 3/	33,267	322,595	190,247	1.7:1.0

1/ Price Base: Long term prices as projected by ARS, June 1956.

2/ From Table 4.

3/ In addition, it is estimated that land treatment measures will provide flood damage reduction benefits of \$26,727 annually.

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